

Title (en)  
Position measurement

Title (de)  
Positionsmessung

Title (fr)  
Mesure de positions

Publication  
**EP 2026090 A1 20090218 (EN)**

Application  
**EP 08013116 A 20080721**

Priority  
KR 20070076408 A 20070730

Abstract (en)  
Techniques, systems and computer readable medium are disclosed for measuring a position of an object device. A position measuring apparatus includes a receiving unit designed to receive a signal transmitted from an object device for position measurement. The position measuring apparatus also includes a position computing unit designed to compute a position of the object device by applying Angle Of Arrival (AOA) and Time Of Arrival (TOA) techniques using the received signal. The position measuring apparatus also includes a medium channel estimating unit designed to estimate a channel of a medium, through which the received signal penetrates on a transmission path, using the received signal. The position measuring apparatus also includes a position determining unit configured to compute a delay time caused by the received signal penetrating the medium using the estimated medium channel and correcting the position of the object device computed by the position computing unit using the delay time.

IPC 8 full level  
**G01S 5/02** (2006.01); **G01S 5/12** (2006.01); **H04W 64/00** (2009.01)

CPC (source: EP KR US)  
**G01S 5/021** (2013.01 - EP KR US); **G01S 5/0218** (2020.05 - EP KR US); **G01S 5/12** (2013.01 - EP KR US)

Citation (applicant)  
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Citation (search report)  
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**EP 2026090 A1 20090218**; **EP 2026090 B1 20110209**; CN 101359045 A 20090204; CN 101359045 B 20111109;  
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KR 20090013082 A 20090204; US 2009058729 A1 20090305; US 8040279 B2 20111018

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